

Paddy Dryer

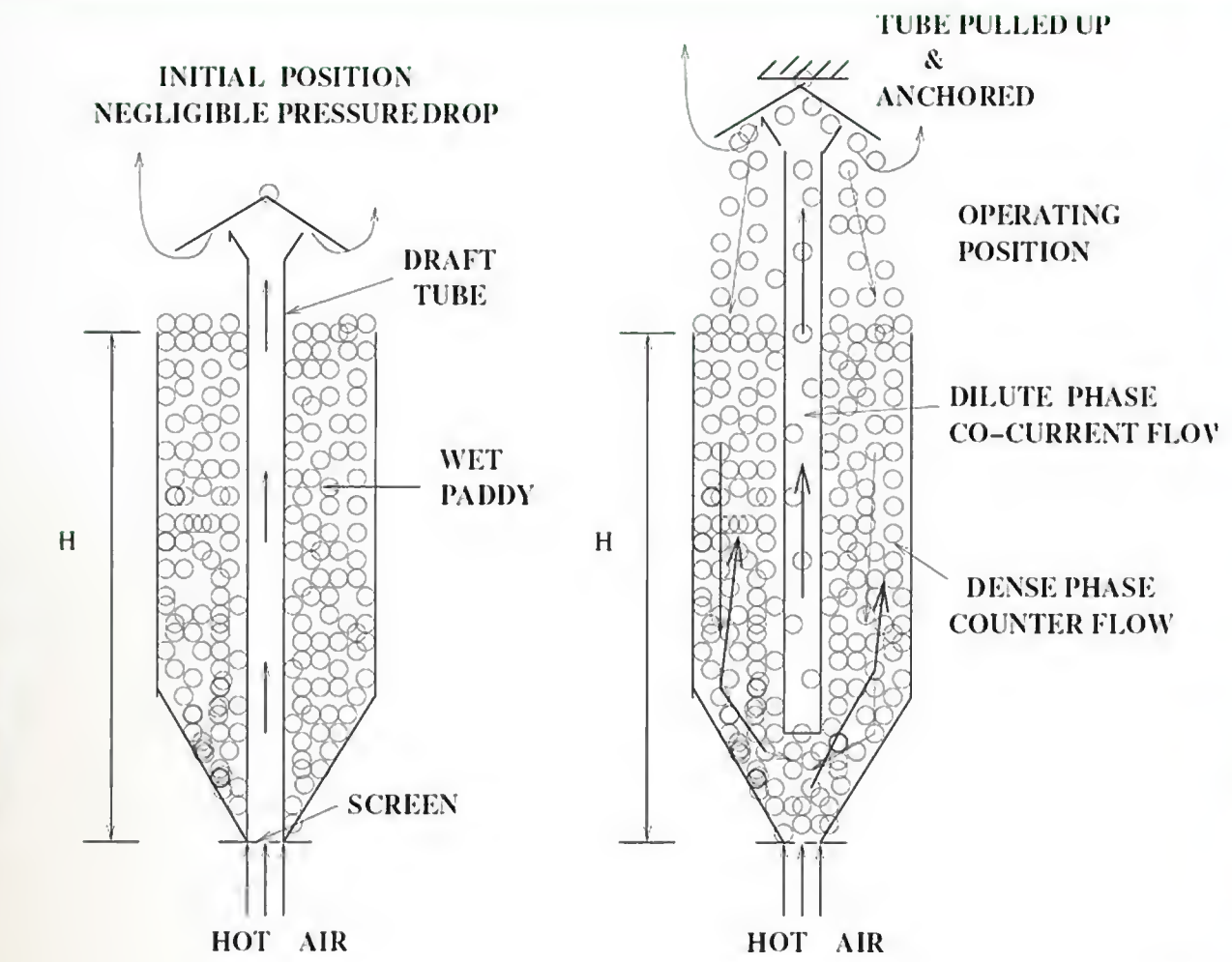
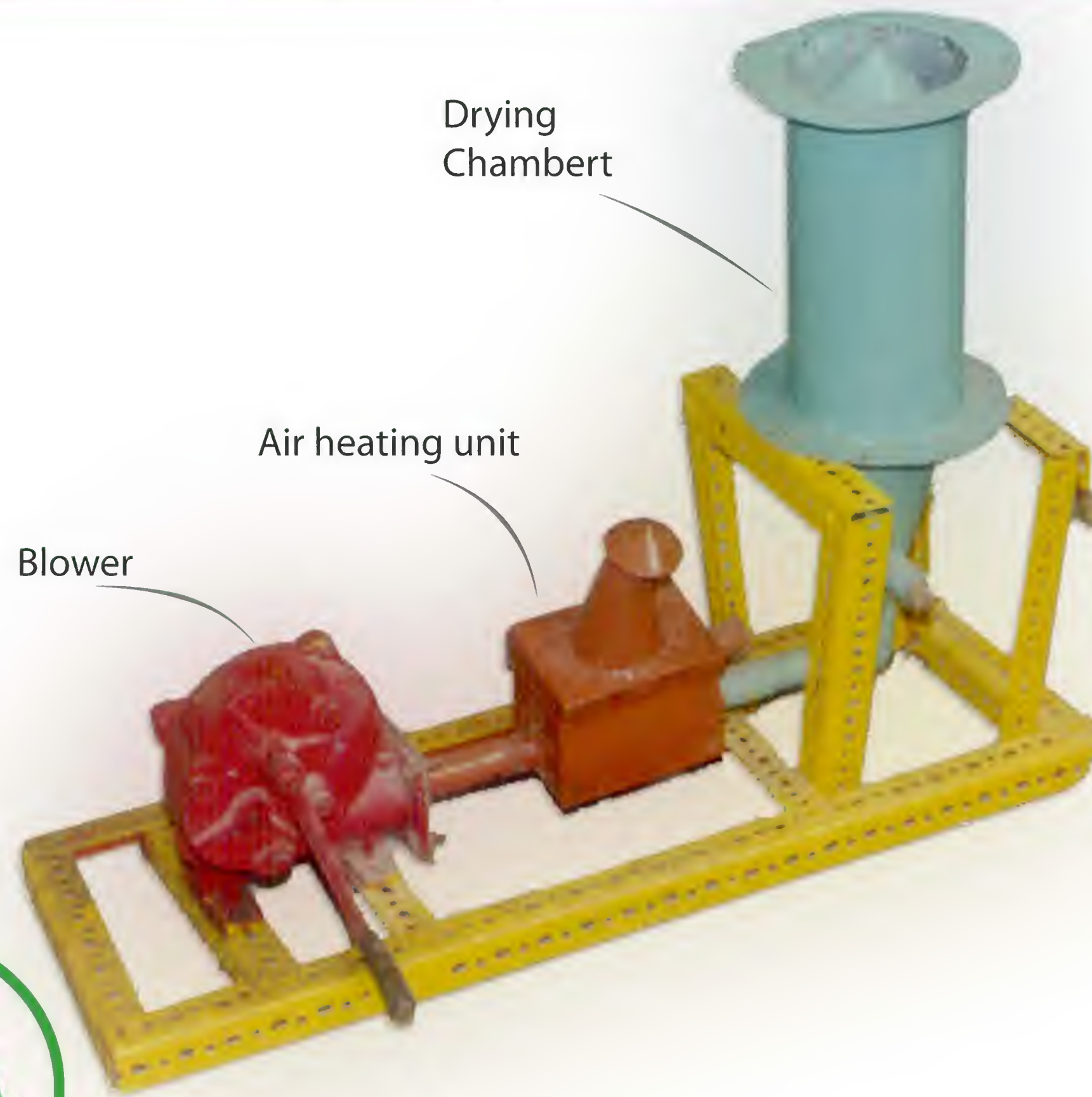
Specifications

Capacity of Basic unit : 1.8 tonnes/hp-day

Spouted bed dryer with draft tube modification

When the demand for the Dryer increases, the smallest-capacity unit must be amenable to an increase in the scale of operations without greater sophistication and without additional constructional and operational difficulties.

Since drying is a once-a-year operation the capital cost of the Dryer must be as low as possible.



Spouted Bed dryer with a Draft Tube



Photograph of actual working dryer

Features

Improves milling yield by 7%

Drying rate can be controlled, without any need to control on temperature of drying air.

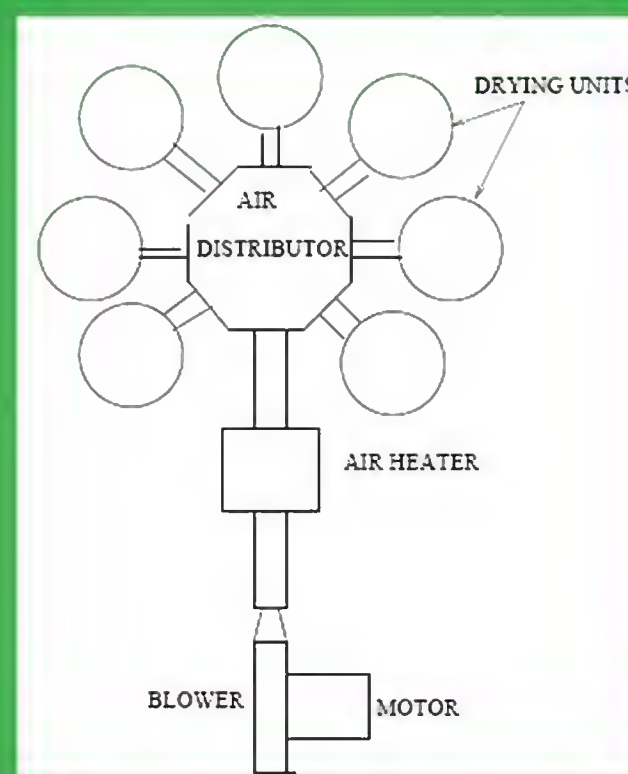
Grain can be dried irrespective of weather conditions, day or night (designed for rapid drying under monsoon conditions)

No losses due to insects, birds and rodents

Easy to construct and operate

Above set-up was tested in a village Kondhaan in Manor Taluka of Thane Dist. in Maharashtra.

After being satisfied with existing set-up, when issue of scaling up came, the villager came up with the solution shown in adjacent figure.



Do not build a big dryer. Instead make it like a Flower !

Drying is removal of moisture to preserve quality and nutritive value for feed and food and is essential in seeds for keeping its viability

Traditional sun drying methods involve low head yields and low milling yields.

Approximate Cost: Rs. 9,000/-

Centre For Technology Alternatives for Rural Areas